No.



9200242

THIE UNITED STRATES OF ANTERICA

TO ALL TO WHOM THESE: PRESENTS SHALL COME: Minnesota Agricultural Experiment Station

Telhereas, there has been presented to the

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF eighteen years from the date of this grant, subject to the payment of the required fees and periodic replenishment of viable basic seed of the variety in a public repository as provided by LAW, the right to exude others from selling the variety, or offering it for sale, or reproducing it, importing it, or exporting it, or using it in producing a hybrid or different ty therefrom, to the extent provided by the Plant Variety Protection Act. United States seed of this variety (1) shall be sold by variety name only as of certified seed and (2) shall conform to the number of generations by the owner of the rights. (84 Stat. 1542, as amended, 7 U.S.C. 2321 ET SEQ.)

SOYBEAN

'Agassiz'

In Lestimony Watercot, I have hereunto set my hand and caused the seal of the Plant Tariety Protection Office to be affixed at the City of Washington, D.C. this 30th day of November in

this 30th day of November in the year of our Lord one thousand nine hundred and ninety-four.

Clike Es Secretary of Agriculture C

Start

Kennetto H Evans Commissioner

Plant Variety Protection Office Agricultural Marketina Service Public reporting burden for this collection of information is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments-regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Agriculture, Clearance Office, DIRM, Room 404-W, Washington, D.C. 20250; and to the Office of Management and Budget, Paperwork Reduction Project (OMB #0581-0055); Washington, 20250; "FORM APPROVED; OMB #0581-0055, Explines 1/31/91"

U.S. DEPARTMENT OF AGRICUL AGRICULTURAL MARKETING SE	TURE	age segretation of the segretation	Application is required in order ;
APPLICATION FOR PLANT VARIETY PR	OTECTION	I CERTIFICATE	delemine il a plant variety protectio certificate is to be issued (7 U.S.C. 2421 information is held confidential unt certificate is issued (7 U.S.C. 2426).
1. NAME OF APPLICANT(S) (as it is to appear on the Certificate)		2. TEMPORARY DESIGNATION OR	3. VARIETY NAME
Minnesota Agricultural Experiment Statio	on .	M84-456	Agassiz
4. ADDRESS (street and no. or R.F.D. no., city, state, and ZIP)		5. PHONE (include area code)	FOR OFFICIAL USE ONLY
University of Minnesota 220 Coffey Hall			PVPO NUMBER
1420 Eckles Avenue St. Paul, MN 55108		(612) 625-4211	9200242 F Date
			Lugust 20, 1992
C1	arry NAME (Bolank egum i nosa e		N 3:00 DAM. DEM
8. CROP KIND NAME (Common Name)	ا ا	DATE OF DETERMINATION	F Filing and Examination Fee:
Soybean	, N.O	vember 12, 1991	\$ 2/50.00 s page
10. IF THE APPLICANT NAMED IS NOT A "PERSON," GIVE FORM OF ORGANIZATION	(Corporation, part	nership, association, etc.)	· August 20, 1992
State Agricultural Experiment Station			C Certificate Foe:
11. 3F INCORPORATED, GIVE STATE OF INCORPORATION	12. DA	TE OF INCORPORATION	250.00
		1 N 1 S	V Date
13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE W		<u> </u>	· Wet 13, 1994
J.H. Orf	THIS APPLICATIO	N AND RECEIVE ALL PAPERS	
Department of Agronomy and Plant Genetic University of Minnesota 1991 Upper Buford Circle St. Paul. MN 55108	s, 411 Bo		(612) 625 9275
14. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow INSTR	(ACTIONS on some	PHONE finclude area code)	(612) 625-8275
a. X Exhibit A, Origin and Breeding History of the Variety		•	
b. X Exhibit B, Novelty Statement.			•
c. X Exhibit C. Objective Description of Variety.		· ·	
d. Exhibit D, Additional Description of Variety.			
Exhibit E. Statement of the Basis of Applicant's Ownership.		•	• • • • • • • • • • • • • • • • • • • •
Seed Sample (2,500 viable untreated seeds). Date Seed Sample (2,500 viable untreated seeds).	mailed to Plant V	snety Protection Office	
g. XI Filing and Examination Fee (\$2,150) made payable to "Treasurer	of the United Sta	tes.*	
15. DOES THE APPLICANT(S) SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VAI Protection Act.)	RIETY NAME ONLY	AS A CLASS OF CERTIFIED SEED? (See	section 83(a) of the Plant Variety
YES (# "YES." answer items 16 and 17 below)		." skip to item 18 below)	
16. DOES THE APPLICANT(S) SPECIFY THAT THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?	1 17. #F "YES" TO	ITEM 16, WHICH CLASSES OF PRODUCT	ION BEYOND BREEDER SEED?
IR DID THE APPRICANTIST PRODUCTIVE FOR FOR SOME	, —	IDATION X REGISTER	ED X CERTIFIED
18. DID THE APPLICANT(S) PREVIOUSLY FILE FOR PROTECTION OF THE VARIETY IN 1	THE U.S.?		
YES M "YES," through Plant Variety Protection Act Pate NO	ent Act. Give date		
19 HAS THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARKETED	IN THE U.S. OR OT	HER COUNTRIES?	
YES (II "YES," give names of countries and dates)	•		
[X] NO			en (j. 1945) En (j. 1945) En en
20 The applicant(s) declare(s) that a viable sample of basic seeds of th request in accordance with such regulations as may be applicable.			e Manager to the contract of t
The undersigned applicant(s) is (are) the owner(s) of this sexually uniform, and stable as required in section 41, and is entitled to prote	ecuon under the	e provisions of section 42 of the Pla	that the variety is distinct, ant Variety Protection Act.
Applicant(s) is (are) informed that false representation herein can je	copardize protec	tion and result in penalties.	
SIGNATURE OF APPLICANT (Owner(S))	CAPACITY OR TI	(LE	DATE
laufa-	ASSOC	HATE DIRECTOR	8-18-92
SIGNATUSE OF APPLICANT [Owner(s)]	CAPACITY-OR TO	i.E	DATE

Exhibit A

Origin and Breeding History of Agassiz Soybean

'Agassiz' traces to the F₅ progeny of a F₄ plant harvested from a population that had been advanced by a modified single seed descent procedure from the cross Simpson x M71-148. M71-148 is a selection from the cross Clay x Evans. Bulked seed of the F₅ row was designated M84-456 and was used for yield testing in the F_6 (1985). Subsequent tests of strain M84-456 were conducted in Minnesota in the F_7 (1986) and F_8 (1987). In the F_8 generation 50 typical plants were harvested individually to initiate purification for observable traits including reaction to race 1 of phytophthora root rot. In the F₉ (1988), M84-456 was entered in the maturity group 00 Uniform Regional Soybean Test. In 1988, twenty-nine plant rows were grown for purification purposes. Eighteen rows appeared uniform for plant and seed characteristics including resistance to race 1 of phytophthora root rot, therefore, seed of these rows were bulked to provide breeder's seed. In the F_{10} (1989), F_{11} (1990) and F_{12} (1991), M84-456 was tested in the Uniform Regional Soybean Test Maturity Group 00. In the F_{10} (1989) all small increase of breeders seed was made. In the F_{11} (1990) Foundation seed was produced by the Minnesota Foundation seed organization. The foundation seed produced was shared with other states for increase. In the F_{12} (1991) seed was increased and M84-456 was approved for release as Agassiz. On February 14, 1992, seed of Agassiz was released to registered and/or certified growers in Minnesota and North Dakota. No off-type variants were noted in the seed multiplication process of Agassiz over three generations. This variety breeds true and meets certification standards.

Exhibit B

Novelty Statement

'Agassiz' is most similar to 'Clay'. Agassiz is approximately one day earlier than Clay. Agassiz has about two percent higher yield potential than Clay. Agassiz is about one inch taller than Clay. Seeds of Agassiz are 1.8 grams per 100 seeds smaller than Clay and have slightly poorer seed quality. Seeds of Agassiz are higher in protein content and slightly lower in oil content than Clay. Agassiz carries the Rps1 gene for resistance to phytophthora root rot while Clay has the rps gene, thus Agassiz is resistant to race 1 of phytophthora and Clay is susceptible in greenhouse hypocotyl inoculation tests.

Data comparing Agassiz and Clay is taken from the Uniform Soybean Test 00, Northern States 1988-1991 (a total of 28 tests for most traits).

					Seed	Seed	Seed		
	Date	Yield	Height	Lodging	Quality	Size	Protein	Oil	
Variety	mature	bu/a	inches	score	score	g/100	%	%	
Agassiz	9/10	27.4	23	1.3	2.3	13.1	41.1	20.4	
Clay	9/11	26.9	22	1.4	2.0	14.9	40.6	20.7	
Clay	<i>3</i> /11	20.9	<i>LL</i>	1.4	2.0	14.7	40.0	_	

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE

EXHIBIT C

PLANT VARIETY PROTECTION OFFICE BELTSVILLE, MARYLAND 20705

OBJECTIVE DESCRIPTION OF VARIETY SOYBEAN (Glycine max L.)

NAME OF APPLICANT(S)	TEMPORARY DESIGNATION	VARIETY NAME	
Minnesota Agricultural Experiment Statio	dn M84-456	Agassiz	
ADDRESS (Street and No., or R.F.D. No., City, State, and Zip Cod	1		IAL USE ONLY
University of Minnesota		PVPO NUMBER	The same of the sa
220 Coffey Hall, 1420 Eckles Avenue St. Paul, MN 55108		9200	1242
Choose the appropriate response which characterizes the varin your answer is fewer than the number of boxes provided, Starred characters ** are considered fundamental to an adeq when information is available.	, place a zero in the first box w	hen number is 9 or les	s (e.g., 0 9).
A CEED CHAPE.			
	ı İİ		
1 = Spherical (L/W, L/T, and T/W ratios = < 1,2) 3 = Elongate (L/T ratio > 1.2; T/W = < 1.2)	•	L/W ratio > 1.2; L/T rat L/T ratio > 1.2; T/W >	
2. SEED COAT COLOR: (Mature Seed)			
1 = Yellow 2 = Green 3 = Brown	4 = Black 5 = Other (Specify)	
3. SEED COAT LUSTER: (Mature Hand Shelled Seed)			
1 = Dull ('Corsoy 79'; 'Braxton') 2 = Shiny ('Nebso	oy'; "Gasoy 17")		
4. SEED SIZE: (Mature Seed)			
1 3 Grams per 100 seeds			
5. HILUM COLOR: (Mature Seed)			
1 = Buff 2 = Yellow 3 = Brown	4 = Gray 5 = Imperfect Blad	ck 6 = Black	7 = Other (Specify)
6. COTYLEDON COLOR: (Mature Seed)			
1 1 = Yellow 2 = Green	•		
7. SEED PROTEIN PEROXIDASE ACTIVITY:	· · · · · · · · · · · · · · · · · · ·		
2 1 = Low 2 = High			eu.
8. SEED PROTEIN ELECTROPHORETIC BAND:			
2 = Type 8 (SP1 ^b)			, 1144
9. HYPOCOTYL COLOR:			
	bronze band below cotyledors (%) Coker Hampton 266A()	Yoodworth'; 'Tracy')	
TIO. LEAFLET SHAPE:	<u>. </u>		
3 1 = Lanceolate 2 = Oval 3 = Ovate	4 = Other (Specify)		**.
rs.	1.7		4

FORM LMGS-470-57 (6-83)

(Edition of 2-82 is obsolete)

	920024
11. LEAFLET SIZE:	320027
2 1 = Small ('Amsoy 71'; 'A5312') 3 = Large ('Crawford'; 'Tracy')	2 = Medium ('Corsoy 79'; 'Gasoy 17')
12. LEAF COLOR:	
1 = Light Green ('Weber'; 'York') 3 = Dark Green ('Gnome'; 'Tracy')	2 = Medium Green ('Corsoy 79'; 'Braxton')
13. FLOWER COLOR: 2 = Purple	3 = White with purple throat
4. POD COLOR:	
2 1 = Tan 2 = Brown	3 = Black
5. PLANT PUBESCENCE COLOR:	
1 = Gray 2 = Brown (Tawn	ny)
5. PLANT TYPES:	
1 = Siender ('Essex'; 'Amsoy 71') 3 = Bushy ('Gnome'; 'Govan')	2 ~ Intermediate ('Amcor'; 'Braxton')
7. PLANT HABIT:	
7. PLANT HABIT: 1 = Determinate ('Gnome'; 'Braxton') 3 = Indeterminate ('Nebsoy'; 'Improved	. 2 ≃ Semi-Determinate ('Will') ed Pelican')
1 = Determinate ('Gnome'; 'Braxton')	. 2 ≃ Semi-Determinate ('Will') ed Pelican')
1 = Determinate ('Gnome'; 'Braxton') 3 = Indeterminate ('Nebsoy'; 'Improved MATURITY GROUP: 1 = 000	ed Pelican')
1 = Determinate ('Gnome'; 'Braxton') 3 = Indeterminate ('Nebsoy'; 'Improved MATURITY GROUP: 1 = 000	D 4=I 5=II 6=III 7=IV 8=V VIII 12=IX 13+X
1 = Determinate ('Gnome'; 'Braxton') 3 = Indeterminate ('Nebsoy'; 'Improved MATURITY GROUP: 1 = 000	D 4=I 5=II 6=III 7=IV 8=V VIII 12=IX 13+X
1 = Determinate ('Gnome'; 'Braxton') 3 = Indeterminate ('Nebsoy'; 'Improved MATURITY GROUP: 1 = 000	D 4=I 5=II 6=III 7=IV 8=V VIII 12=IX 13=X 1 = Susceptible; 2 = Resistant)
1 = Determinate ('Gnome'; 'Braxton') 3 = Indeterminate ('Nebsoy'; 'Improved MATURITY GROUP: 1 = 000	D 4=I 5=II 6=III 7=IV 8=V VIII 12=IX 13=X 1 = Susceptible; 2 = Resistant)
1 = Determinate ('Gnome'; 'Braxton') 3 = Indeterminate ('Nebsoy'; 'Improved MATURITY GROUP: 1 = 000	D 4=I 5=II 6=III 7=IV 8=V VIII 12=IX 13=X 1 = Susceptible; 2 = Resistant)
1 = Determinate ('Gnome'; 'Braxton') 3 = Indeterminate ('Nebsoy'; 'Improved MATURITY GROUP: 1 = 000	## Pelican') ## 1
1 = Determinate ('Gnome': 'Braxton') 3 = Indeterminate ('Nebsoy': 'Improved MATURITY GROUP: 1 = 000	D 4=I 5=II 6=III 7=IV 8=V VIII 12=IX 13=X 1 = Susceptible; 2 = Resistant) P
1 = Determinate ('Gnome'; 'Braxton') 3 = Indeterminate ('Nebsoy'; 'Improved MATURITY GROUP: 1 = 000	D 4=I 5=II 6=III 7=IV 8=V VIII 12=IX 13=X 1 = Susceptible; 2 = Resistant) Poli var. sojensis) RECEIVED USDA AMS AUG 2 0 1992 ► 10
1 = Determinate ('Gnome': 'Braxton') 3 = Indeterminate ('Nebsoy': 'Improved MATURITY GROUP: 1 = 000	A = I
1 = Determinate ('Gnome'; 'Braxton') 3 = Indeterminate ('Nebsoy'; 'Improved MATURITY GROUP: 1 = 000	D 4=I 5=II 6=III 7=IV 8=V VIII 12=IX 13=X 1 = Susceptible; 2 = Resistant) Pi var. sojensis) RECFIVED USDA AMS AUG 2 0 1992 ▶ Fill Production Ofc.
1 = Determinate ('Gnome': 'Braxton') 3 = Indeterminate ('Nebsoy': 'Improved MATURITY GROUP: 1 = 000	Aug 2 0 1992 Fill Race 3 Race 4 Race 5 Other (Specify)
1 = Determinate ('Gnome': 'Braxton') 3 = Indeterminate ('Nebsoy': 'Improved MATURITY GROUP: 1 = 000	Aug 2 0 1992 Fill Race 3 Race 4 Race 5 Other (Specify)
1 = Determinate ('Gnome': 'Braxton') 3 = Indeterminate ('Nebsoy': 'Improved MATURITY GROUP: 1 = 000	A = I

FUNGAL DISEASES: (Continued) ### O Pod and Stem Blight (Diaporthe phaseolorum var; sojae) Purple Seed Stain (Cercospora kikuchii)	0 Race 6 0 Race 7
O Purple Seed Stain (Cercospora kikuchii) O Rhizoctonia Root Rot (Rhizoctonia solani) Phytophthora Rot (Phytophthora megasperma var. sojae) ** 2 Race 1	0 Race 6 0 Race 7
Phytophthora Rot (Phytophthora megasperma var. sojae) Race 1 2 Race 2 1 Race 3 0 Race 4 0 Race 5 Race 8 0 Race 9 Other (Specify) VIRAL DISEASES: Bud Blight (Tobacco Ringspot Virus) Yellow Mosaic (Bean Yellow Mosaic Virus) Cowpea Mosaic (Cowpea Chlorotic Virus) Pod Mottle (Bean Pod Mottle Virus) Seed Mottle (Soybean Mosaic Virus) NEMATODE DISEASES: Soybean Cyst Nematode (Heterodera glycines) Race 1 0 Race 2 1 Race 3 0 Race 4 Other (Specify)	0 Race 6 0 Race 7
Phytophthora Rot (Phytophthora megasperma var. sojae) ** 2 Race 1	0 Race 6 0 Race 7
★ 2 Race 1 2 Race 2 1 Race 3 0 Race 4 0 Race 5 0 Race 8 0 Race 9 Other (Specify) VIRAL DISEASES: 0 Bud Blight (Tobacco Ringspot Virus) 0 Yellow Mosaic (Bean Yellow Mosaic Virus) ★ 0 Cowpea Mosaic (Cowpea Chlorotic Virus) 0 Pod Mottle (Bean Pod Mottle Virus) ★ 0 Seed Mottle (Soybean Mosaic Virus) NEMATODE DISEASES: Soybean Cyst Nematode (Heterodera glycines) ★ 0 Race 1 0 Race 2 1 Race 3 0 Race 4 Other (Specify)	0 Race 6 0 Race 7
Bud Blight (Tobacco Ringspot Virus) Yellow Mosaic (Bean Yellow Mosaic Virus) Cowpea Mosaic (Cowpea Chlorotic Virus) Pod Mottle (Bean Pod Mottle Virus) Seed Mottle (Soybean Mosaic Virus) NEMATODE DISEASES: Soybean Cyst Nematode (Heterodera glycines) Race 1	
Yellow Mosaic (Bean Yellow Mosaic Virus) To Cowpea Mosaic (Cowpea Chlorotic Virus) O Pod Mottle (Bean Pod Mottle Virus) Seed Mottle (Soybean Mosaic Virus) NEMATODE DISEASES: Soybean Cyst Nematode (Heterodera glycines) Race 1 Race 2 1 Race 3 0 Race 4 Other (Specify)	
 Yellow Mosaic (Bean Yellow Mosaic Virus) ★ O Cowpea Mosaic (Cowpea Chlorotic Virus) Pod Mottle (Bean Pod Mottle Virus) ★ O Seed Mottle (Soybean Mosaic Virus) NEMATODE DISEASES: Soybean Cyst Nematode (Heterodera glycines) ★ O Race 1 O Race 2 D Race 3 O Race 4 Other (Specify) 	
 ★ ① Cowpea Mosaic (Cowpea Chlorotic Virus) D Pod Mottle (Bean Pod Mottle Virus) ★ ② Seed Mottle (Soybean Mosaic Virus) NEMATODE DISEASES: Soybean Cyst Nematode (Heterodera glycines) ★ ② Race 1 ② Race 2 ① Race 3 ② Race 4 ② Other (Specify) 	
Pod Mottle (Bean Pod Mottle Virus) ** O Seed Mottle (Soybean Mosaic Virus) NEMATODE DISEASES: Soybean Cyst Nematode (Heterodera glycines) ** O Race 1	
★ ① Seed Mottle (Soybean Mosaic Virus) NEMATODE DISEASES: Soybean Cyst Nematode (Heterodera glycines) ★ ② Race 1 ② Race 2 ① Race 3 ② Race 4 Other (Specify,	
Soybean Cyst Nematode (Heterodera glycines) Race 1	
* 0 Race 1 0 Race 2 1 Race 3 0 Race 4 Other (Specify,	
★ 0 Race 1 0 Race 2 1 Race 3 0 Race 4 Other (Specify,	
Collection of the specific	
Southern Root Knot Nematode (Meloidogyne incognita)	
Northern Root Knot Nematode (Meloidogyne Hapla)	
Peanut Root Knot Nematode (Meloidogyne arenaria)	
Reniform Nematode (Rotylenchulus reniformis)	•
OTHER DISEASE NOT ON FORM (Specify):	
20. PHYSIOLOGICAL RESPONSES: (Enter 0 = Not Tested; 1 = Susceptible; 2 = Resistant)	
tron Chlorosis on Calcareous Soil	
Other (Specify)	
21. INSECT REACTION: (Enter 0 = Not Tested; 1 = Susceptible; 2 = Resistant)	
Mexican Bean Beetle (Epilachna varivestis)	
Potato Leaf Hopper (Empoasca fabae)	
Other (Specify)	
22. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED.	
CHARACTER NAME OF VARIETY CHARACTER	NAME OF WARREN
Plant Shape McCall Seed Coat Luster	NAME OF VARIETY Clay
Leaf Shape 0ZZie Seed Size	Maple Ridge
Leaf Color 0zzie Seed Shape	McCall
Leaf Size 0ZZ1e Seedling Pigmentation	Clay
FORM LMGS-470-57 (6-83)	O 1 O A

23. GIVE DATA FOR SUBMITTED AND SIMILAR STANDARD VARIETY: Paired Comparison Data

VARIETY	NO OF PLANT DAYS LODGING		CM PLANT	LEAFLET SIZE		SEED CONTENT		SEED SIZE	NO.
Agassiz	MATURITY	SCORE	HEIGHT	CM Wigth	CM Length	% Protein	% Oil	SEEDS	SEEDS/ POD
Submitted	116	1.3	66	55	96	41.1	20.4	13.1	2.4
Clay Name of Similar Variety	117	1.4	63	61	88	40.6	20.7	14.9	2.3

PUBLICATIONS USEFUL AS REFERENCE AIDS FOR COMPLETING THIS FORM:

- 1. Caldwell, BiE., ed. 1973. Soybeans: Improvement, Production, and Uses. Amer. Soc. Agron. Monograph No. 16.
- 2. Buttery, B.R. and R.I. Buzzell. 1968. Peroxidase activity in seeds of soybean varieties. Crop Sci., 8: 722-725.
- 3. Hymowitz, T. 1973. Electrophoretic analysis of SBTI-A2 in the USDA soybean germplasm collection. Crop Sci., 13: 420-421.
- 4. Payne, R.C. and L.F. Morris. 1976. Differentiation of soybean cultivars by seedling pigmentation patterns. J. Seed Technol. 1: 1-19.

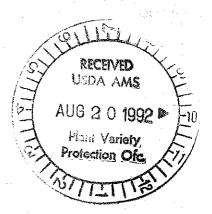


Exhibit E

Statement of the Basis of Ownership

The Minnesota Agricultural Experiment Station is the owner of Agassiz soybean. The Minnesota Agricultural Experiment Station of the University of Minnesota is the employer of the breeder who developed Agassiz.